

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES OF PERSONS

TO WHOM

PATENTS HAVE BEEN ISSUED,

FOR

ANY USEFUL INVENTION,

DURING THE YEAR 1820.

JANUARY 5, 1821.

Read, and ordered to lie on the table.

WASHINGTON:

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1821.

DEPARTMENT OF STATE,

January 1st, 1821.

SIR: In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 31st day of December, 1819, to the 1st of January, 1821, with the dates and general objects of such patents; and, also, the residences of the patentees, as far as they could be ascertained.

JOHN QUINCY ADAMS.

To the honorable the SPEAKER

Of the House of Representatives of U. S.

LIST OF PATENTS, &c.

INVENTIONS.	When issued	NAMES OF PATENTEES AND THEIR PLACES OF RESIDENCE.
	1820.	
Improvement on bridges	Jan. 4	John Bragg, Montreal, Canada.
Bread finisher	10	Ephraim Trearwell, Philadelphia.
Machine for making ropes, &c.	10	Eleazer Crain, Springfield.
Casting or moulding spermaceti candles by heat applied to the moulds	14	Wm. W. Swain, New Bedford, Massachusetts.
Mortice water lock gate	15	Wm. Martin, Windham county, Connecticut.
Improvement in railways and carriages	18	Charles Williams, Richmond, Virginia.
Machine for washing, drying, and screening wheat	18	Sam'l Martin and Zadock Chapin, Ontario county, New York.
Raising the power of steam in steam engines without increasing the quantity	22	Charles Leek, Ross county, Ohio.
Apparatus for towing boats on canals, &c.	24	Peter Cooper, New York.
Bridges, improvement on	28	Ithiel Town, Fayetteville, North Carolina.
Apparatus for preparing the oxy muriate of lime	28	Jonas Kendall, Lincoln, Worcester county, Mass.
Coating for ships' bottoms	29	James Russell, New Bedford, Massachusetts.
Water proof cement	Feb. 1	Canvas White, White's town, Oneida co. N. Y.
Elastic water proof hats	17	Arnold Buffum and Jer. Kelly, Smithfield, R. I.
Making spruce beer	17	John Williams, Cambridge, Middlesex, Mass.
Elastic seat saddles	23	Peter H. Martin, Nashville, Tennessee.
Cooking stove	23	Israel Keyes, Putney county, Vermont.
Plough, improvement in the	March 3	Ph. Marshall and Jacob B. Smith, Lambertsville, New Jersey.

LIST OF PATENTS—Continued.

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INVENTIONS.	When issued.	NAMES OF PATENTEES AND THEIR PLACES OF RESIDENCE.
	1820.	
Ship building, improvement in	March 6	Abel Brewster, Hartford, Connecticut.
Fire places, improvement in	6	Elijah Griffiths, Philadelphia.
Hollow or guttered grid irons	6	Thomas Mussey, New London, Connecticut.
Wind power pump	8	Heman Bronson, Kent county, Litchfield, Con.
Construction of privies, improvement in	16	Marc Marie Duplat, Charleston, S. C.
Circular saw for making clap boards	16	Rob't Eastman and Josiah Jaquith, Brunswick, Massachusetts.
Fire hearth, &c. for vessels	18	John Lamb, Amboy, New Jersey.
Coffee roaster, improvement in	20	Peregrine Williamson, Baltimore.
Tobacco press, improvement in the	23	Simon Fraser, Nottingham, Maryland.
Apparatus for removing earth	23	Ichabod L. Skinner and Sam'l F. Tooker, Hartford, Connecticut.
Fire engine, improvement in the	28	Ebenezer Bryant, New London, Connecticut.
Locks, improvement on	April 4	Henry and Jacob Day, New York.
Boiling salt, improvement in	4	Osborn Parsons, Pittsburg, Pennsylvania.
Manner of using the twisted screw auger for boring guns	4	Wm. Holmes, Winchester, New Hampshire.
Making shaded letters	4	George Bruce, New York.
Machine for knapping and brushing up cloth	4	John Byram and Sylvanus D. Fuller, Mendam county, New Jersey.
Common hoe, improvement on the	6	Pardon H. Merrill, Hinsdale, Cheshire co. N. H.

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Double forcing pump, improvement on the . . .
 Heleogastrium, or planetarium . . .
 Improved application of steam or vapor in extract-
 ing spirits and working steam engines . . .
 Portable rotary oven . . .
 Brewing by steam . . .
 Splitting leather . . .
 Machine for excavating canals . . .
 Machine for making watch chains . . .
 Hominy mill . . .
 Cooking stove, improvement in the . . .
 Towing boats, &c. improved mode of . . .
 White wash brush, improvement on the . . .
 Machine for making watch chains . . .
 Machine for turning gunstocks, &c. . .
 Composition for cleansing and preserving teeth . . .
 Family pills, improvement on his . . .
 Floating wharfs for catching fish . . .
 Water wheel, improvement on the . . .
 Currying knife, improvement in the . . .
 Ploughs, improvement in . . .
 Machinery for the purpose of gaining power . . .
 Balance lever hydraulic machine . . .
 Linen spinning wheel . . .
 Machine for draw grinding gun barrels . . .
 Plough, improvement in the . . .
 Machine for hulling grain and rice . . .
 Instrument for mapping lands, &c. . .
 Spiral helm wheels . . .

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Sena Gillett, (adm. of Sam'l Gillett) Windsor, Con.
 Theodore Newell, Poultney, Rutland county, Ver.
 Richard Wilcox, New York.
 Do. Do.
 Harvey Hackley, New York.
 Ephraim Howard and Joshua Butters, Boston.
 Ichabod L. Skinner, Hartford, Connecticut.
 Samuel Keplinger, Baltimore.
 Nathan Read, Belfast, Maine.
 Nathan Winslow, Portland, Maine.
 Samuel Howard, Savannah, Georgia.
 Elijah S. Curtis, Charlestown, Massachusetts.
 John Hatch, Baltimore.
 Azariah Woolworth, Waterbury, Connecticut.
 Levi Spear Parmly, New York.
 Daniel Coit, New York.
 Asael Bailey, Havre de Grace, Maryland.
 Elisha Hall, Baltimore.
 Daniel Tomlinson, Brookfield, Connecticut.
 John W. Jenkins, Hudson, New York.
 Charles Redheffer, Philadelphia.
 Daniel Fisk, Springfield, Otsego county, N. Y.
 Benjamin Simmons, Paris, Oneida county, N. Y.
 Tho. Dakin, Harper's Ferry, Virginia.
 Jno. S. Wright, Greenwich, Washington co. N. Y.
 Maffby Fowler, New Haven, Connecticut.
 James Deneale, Dumfries, Virginia.
 Robert P. Cunningham, Pomfret, Connecticut.

LIST OF PATENTS—Continued.

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INVENTIONS.	When issued.	NAMES OF PATENTEES AND THEIR PLACES OF RESIDENCE.
	1820.	
Machinery for passing boats up rapids . . .	Aug. 12	Lemuel Thwing, Dedham, Massachusetts.
Locks and latches, improvement on . . .	12	Harvey Durkee, (assignee of J. Chittenden) Burlington, Vermont.
Making ingrained carpeting . . .	12	John and Nicholas Haight, New York.
Washing machine, improvement on the . . .	15	Benj. Cox, Hadley, Hampshire county, Mass.
Wire rolling sifters or screens . . .	16	Nathan Sellers, Philadelphia.
Smut machine, improvement on the . . .	23	Jas. Gillaspie, Middletown, Frederick co. Md.
Circular open stove or fire place . . .	31	Richard Berrian and Frs. Class, New York.
Weighing machine, improvement on the . . .	Sept. 7	Eli Wadsworth, Hartford, Connecticut.
Construction of clocks, &c. improvement in the	13	Jas. Henry, Maysville, Kentucky.
Improvement in the mode of finding the longitude	13	Do. Do.
Double shovel plough, improvement on the . . .	20	John Ballthrope, Loudon county, Virginia.
Plough, improvement in the . . .	13	Robert L. and Edwin A. Stevens, Hoboken, N. J.
Wheel for propelling boats, &c. . .	Oct. 2	James Prince, New York.
Knapping hats with rabbits' fur . . .	2	David Evans, Alexandria, Virginia.
Common sewer mouth, improvement on the . . .	3	Alexander Ramsey, Philadelphia.
Cock, improvement on the common . . .	4	Ebenezer Hubball, Baltimore.
Machine for spinning cotton yarn . . .	4	Wm. Bald, jun. Providence, R. I.
Water wheels, improvement in . . .	10	David Beauchamp, Elizabethtown, Wood county, Virginia.
Machine for cleaning rice, &c. . .	13	Rich'd French, Morrisville, Bucks co. Penn.

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Power loom, improvement in the . . .	
Machine for breaking bark, &c. . .	
Baking or burning pans, improvement in . . .	
Valve cock, improvement on the . . .	
Machine for sweeping chimneys . . .	
Swinging horse frame for facilitating the shoeing of horses . . .	
Plough, improvement in the . . .	
Windmill, improvement in the . . .	
Bee-hives, improvement in . . .	
Making saddles, improvement in . . .	
Winnowing machine, improvement in the . . .	
Finishing leather, machine for . . .	
Improved mode of drawing yarns and forming them into readies . . .	
Mode of laying cordage, &c. . .	
Machine for equalizing the strain upon yarns, &c. . .	
Machine for propelling vessels . . .	
Machine for making ram rods . . .	
Improvement in medicine . . .	
Improvement in the manufacture of wooden pegs for boots and shoes . . .	
Improvement on the double speeder, No. 1 . . .	
do. do. No. 2 . . .	
do. do. No. 3 . . .	
do. do. No. 4 . . .	
do. do. No. 5 . . .	
Combination of improvements on the double speeder . . .	

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Wm. Gilmore, Smithfield, Providence, R. I.
Nathan Sears, Hudson, New York.
Wm. Burtus, New York.
John Cluley and Benj. Slancliff, Philadelphia.
Samuel S. Edmonston, New York.
Joseph Kirk, Weston, Windsor co. Vermont.
Charles Wood and Gilbert Brundage, Blooming-grove, Orange county, New York.
Pierre Etienne, New York.
Edward Blake, Hartford county, Maine.
Elihu Walker, Aurora, Niagara county, N. Y.
Josiah Brown, New London.
Jas. Burr, Johnstown, Montgomery county, N. Y.
Robert Graves Boston.
do. do.
do. do.
John James Giraud, Baltimore.
Chas. Chauncey Barstow, Exeter, N. H.
Lorenzo Dow, Hebron, Connecticut.
Thos. Rowell, Hartford, Windsor county, Ver.
Jonathan Fiske, Medway, Massachusetts.]
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LIST OF PATENTS—Continued.

INVENTIONS.	When issued.	NAMES OF PATENTEEs AND THEIR PLACES OF RESIDENCE.
	1820.	
Machine for dowelling heading for cooperage .	Dec. 11	Ralph Hunt, Ontario county, New York.
Imp't in raised banding and ornamental binding .	12	Douw K. Van Vechten, New York.
Cast iron plough, improvement in the . . .	14	John Seaver and John Fay, Rockingham, Ver.
Application of the oil of cotton seed for all the purposes of linseed oil	16	George P. Digges, Albemarle county, Virginia.
Iron boats for navigating rivers, &c.	21	Thos. J. Bond, Baltimore.
Improvement in the double speeder	30	Paul Moody, Waltham, Massachusetts.
Improvement in sleighs	30	Jacob, Fisher, Kennebeck, Maine.
Improvement in the reel for spinning and making tobacco	30	Samuel and Enoch Hardy, Kennebeck, Maine.
Improvement in the current and tide mill . . .	30	Henry Allen, Fayette county, Tennessee.
Improvement in the application of steam . . .	30	Aaron Niles Sabin, Frankfort, Kentucky.